

WHAT IS CLAIMED IS:

1. An image processing apparatus for converting received drawing commands into an intermediate list which is exhibited by simple commands, which is then stored, and from which a page image is formed, comprising an intermediate list format selecting means for selecting a format of an intermediate list in accordance with the drawing commands, a polygon dividing means for dividing a pattern into polygons, a paint-over determining means for determining whether the interior of a polygon is a part to be painted-over or not, a first intermediate list creating means for creating an intermediate list containing polygon data, a second intermediate list creating means for creating an intermediate list containing line data as to a width 1 or bit map data, an intermediate list storing means for storing the intermediate lists, and a printing means for creating a raster image from the intermediate lists stored in the intermediate storing means in response to printing instructions, and printing the image.

2. An image processing apparatus for converting received drawing commands into an intermediate list which is exhibited by simple commands, which is then stored, and from which a page image is formed, comprising an intermediate list format selecting means for selecting a format of an intermediate list in accordance with the drawing commands, a polygon

dividing means for dividing a pattern into polygons, a paint-over determining means for determining whether the interior of a polygon is a part to be painted-over or not, a trapezoid dividing means for dividing a polygon into a group of trapezoids, a first intermediate list creating means for creating an intermediate list containing trapezoid data, a second intermediate list creating means for creating an intermediate list containing line data as to a width 1 or bit map data, an intermediate list storing means for storing the intermediate lists, and a printing means for creating an raster image from the intermediate lists stored in the intermediate list storing means in response to printing instructions and printing the image.

3. An image processing apparatus for converting received drawing commands into an intermediate list which is exhibited by simple commands, which is then stored, and from which a page image is formed, comprising an intermediate list format selecting means for selecting a format of an intermediate list in accordance with the drawing commands, a trapezoid dividing means for dividing a polygon into a group of trapezoids, a first intermediate list creating means for creating an intermediate list containing trapezoid data, a second intermediate list creating means for creating an intermediate list containing line data as to a width 1 or bit map data, an intermediate list

storing means for storing the intermediate lists, and a
printing means for creating an raster image from the
intermediate lists stored in the intermediate list
storing means in accordance with printing instructions
and printing the image.